

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>						<b>February 2002</b>					
BUDGET ACTIVITY <b>6 - Management support</b>			PE NUMBER AND TITLE <b>0605103A - Rand Arroyo Center</b>				PROJECT <b>732</b>				
COST (In Thousands)			FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
732	ARROYO CENTER SPT		19105	19806	22148	23072	23414	23870	24393	0	259609
<p><b><u>A. Mission Description and Budget Item Justification:</u></b> This program funds the RAND Arroyo Center, the Department of the Army's Federally Funded Research and Development Center (FFRDC) for studies and analysis. The Arroyo Center draws its researchers from RAND's staff of nearly 700 professionals trained in a broad range of disciplines. Most staff members work in RAND's principal locations-Santa Monica, California; Arlington, Virginia; and Pittsburgh, Pennsylvania. The RAND Arroyo Center provides for continuing analytical research across a broad spectrum of issues and concerns, grouped in four major research areas: Strategy, Doctrine, and Resources; Military Logistics; Manpower and Training; and Force Development and Technology. The RAND Arroyo Center research agenda is primarily focused on mid/long-term concerns. Results and analytical findings directly impact senior leadership deliberations on major issues. Arroyo Center research is sponsored by the Chief of Staff, Vice Chief, the Deputy Chiefs of Staff of the Army; the Assistant Army Secretaries; and most of the Army's major commands. The Arroyo Center is provided guidance from the Army through the Arroyo Center Policy Committee (ACPC), which is co-chaired by the Vice Chief of Staff of the Army and the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The ACPC reviews, monitors, and approves the annual Arroyo Center research plan. Each project requires General Officer (or SES equivalent) sponsorship and involvement on a continuing basis. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis. Although the Arroyo Center staff works with analysts in the Army's internal study program, the Arroyo Center is an independent organization that provides analysis for both the Army and the broader national security community. Work in this program element is consistent with the resource constrained Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and Project Reliance.</p> <p><b><u>FY 2001 Accomplishments:</u></b></p> <ul style="list-style-type: none"> <li>• 4521 Research addressing the Army's transformation including technological and programmatic assessment of the Future Combat Systems; full spectrum land force capabilities assessment; objective force analysis; technical feasibility of proposed tactical airlift systems; effectiveness of medium forces in past conflicts; human resource implications of Army transformation; joint rapid decisive operations; support to Army transformation wargaming and analysis; and supporting small and mid-sized operations.</li> <li>• 4312 Research on issues being raised by the administration in its major defense review including Army capabilities to respond to future engagement requirements; globalization of multinational force compatibility programs; installation planning for weapons of mass destruction preparedness; force deployment cost comparison; modeling costs of Army force structure changes; cost effectiveness tradeoffs between Apache and Comanche; military operations on urbanized terrain; integrated modernization analysis process; alternatives to two Major-Theater Wars as force-planning constructs; force management and readiness to support multiple missions; and personnel management in support of multiple missions.</li> </ul>											

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<p><b><u>FY 2001 Accomplishments: (Continued)</u></b></p> <ul style="list-style-type: none"> <li>4217 Research on reshaping support functions including improving the Army's fulfillment process; establishing better links in the supply chain; improving the Army's stockage determination process; managing training ammunition; improving Army maintenance processes; strategic actions for the Combat Support/Combat Service Support transformation; diagnosing equipment serviceability; and facilitating implementation of the single stock fund.</li> <li>1554 Research on shaping and staffing the force including structuring U.S. combat capability for early conflict termination; keeping future Army pay competitive; collective training resources and unit readiness; officer accession and retention; assessing the Officer Personnel Management System; manning the Army Special Operations Forces; and determining training proficiency at Combat Training Centers.</li> <li>3501 Research aimed at maintaining the Army's technological edge including improving the Army's procurement process; understanding how to do a better job in outsourcing science and technology; portfolio planning for Army programs; and expanded acquisition development strategy.</li> <li>1000 Support a study on Army acquisition practices at the Center for Naval Analysis.</li> </ul> <p>Total 19105</p> <p><b><u>FY 2002 Planned Program</u></b></p> <ul style="list-style-type: none"> <li>4736 Research addressing the Army in national strategy, including implications of the New National Strategy; preparing and presenting the Army budget; developing a framework to address "gaps" between the military and the American people; assessing joint rapid decisive operations; identifying access requirements, anti-access threats, and potential counters; Objective Force performance on complex terrain; improving the Army's ability to contribute effectively to emerging homeland security initiatives; assessing the Objective Force in a wide range of warfighting scenarios; and developing and evaluating the future alliance and coalition partner environment relevant to the Army and future land operations.</li> <li>4066 Research addressing Army transformation, including assessing FCS technology; support to transformation wargaming and analysis; assessing the contribution and importance of C4ISR to the Objective Force; analyzing future bandwidth requirements; supporting CAA in the use of JICM; developing potential strategic actions for the CS/CSS transformation; analyzing the potential benefits from the planned joint experimentation process; and assessing the feasibility of organizing the TO&amp;E Army around brigades rather than divisions as the principal unit of operational employment.</li> <li>2537 Research addressing people, including human resource implications of Army transformation; leader development for a transformed Army; recruiting options; officer accession and retention; and officer careers and OPMX XXI.</li> <li>4731 Research addressing readiness, including Army rotation policy and force management; diagnosing equipment serviceability; linking improved processes and inventory to equipment readiness; identifying drivers of customer wait time; improving the training ammunition process; determining training proficiency at CTCs; reviewing and recommending changes to OPTEMPO and collective training; and recommending an implementation strategy for training development for CSS systems.</li> </ul>		

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**732****FY 2002 Planned Program (Continued)**

- 3736 Research addressing business practices, including the role and limits of outsourcing; minimum military logistics capability; posturing AMC R&D organizations for a changing workforce; creating an integrated logistics business environment; sizing the Army's organic industrial base; reexamining Army acquisition; integrated modernization analysis; and coordinated acquisition of Army systems of systems.

Total 19806

**FY 2003 Planned Program**

- 7718 Research addressing the national security debate
- 6438 Research addressing shaping and staffing the force
- 6660 Research addressing reshaping support functions and infrastructure.
- 1332 Research addressing exploring technology alternatives

Total 22148

<b><u>B. Program Change Summary</u></b>	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2002 PB)	19689	19972	20348
Appropriated Value	19872	19972	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	-166	0
b. SBIR / STTR	-585	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	-182	0	0
Adjustments to Budget Years Since FY2002 PB	0	0	1800
Current Budget Submit (FY 2003 PB)	19105	19806	22148